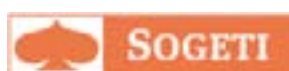


# Roadmaps

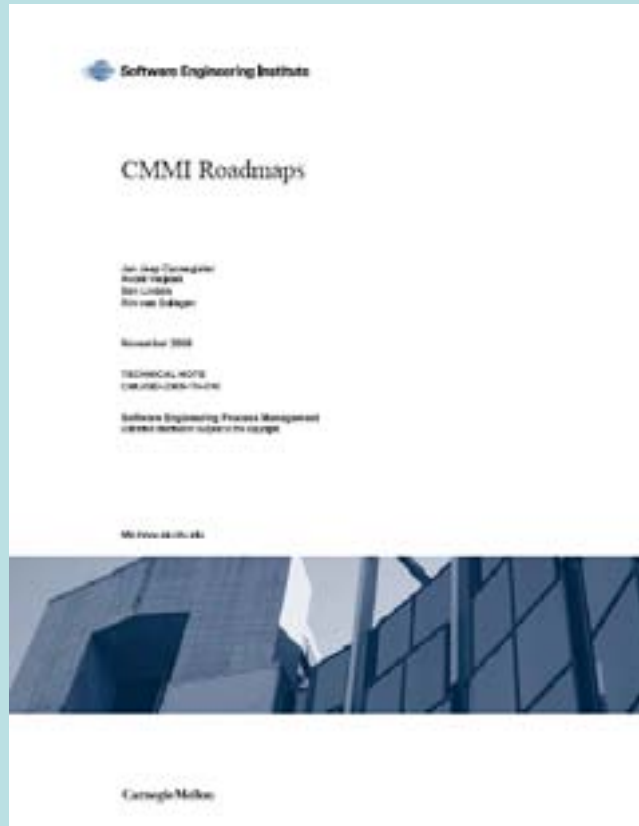
Ben Linders  
Jan Jaap Cannegieter



## Geschiedenis van de roadmaps

- 2001 – 2006: ervaring opgedaan met continue representatie
- 15 september 2005: moeilijke discussie bij een opdrachtgever platgeslagen door vraag: product, proces of project?
- 12 juni 2006: keynote PROFES over roadmaps plus artikel in AG
- 15 november 2006: workshop met SPIDER-leden
- April 2007: Review eerste versie technical note door SPIDER-leden
- 13 Juni 2007: eerste overleg met SEI tijdens ESEPG
- 26 juni 2007: eerste versie roadmaps aangeboden aan SEI
- 29 juni 2007, Bill Peterson: “I think this looks really nice, with good thinking about the structure of a roadmap that you have developed.
- November 2007: volgende fase van approval
- April 2008: publicatie roadmaps in ‘De Informatie’
- Juni 2008 ESEPG Munchen: prerelease door het SEI
- 6 november 2008: officiële approval technical note
- 4 maart 2009: plenaire sessie SPIDER roadmaps

## De technical note



Jan Jaap Cannegieter

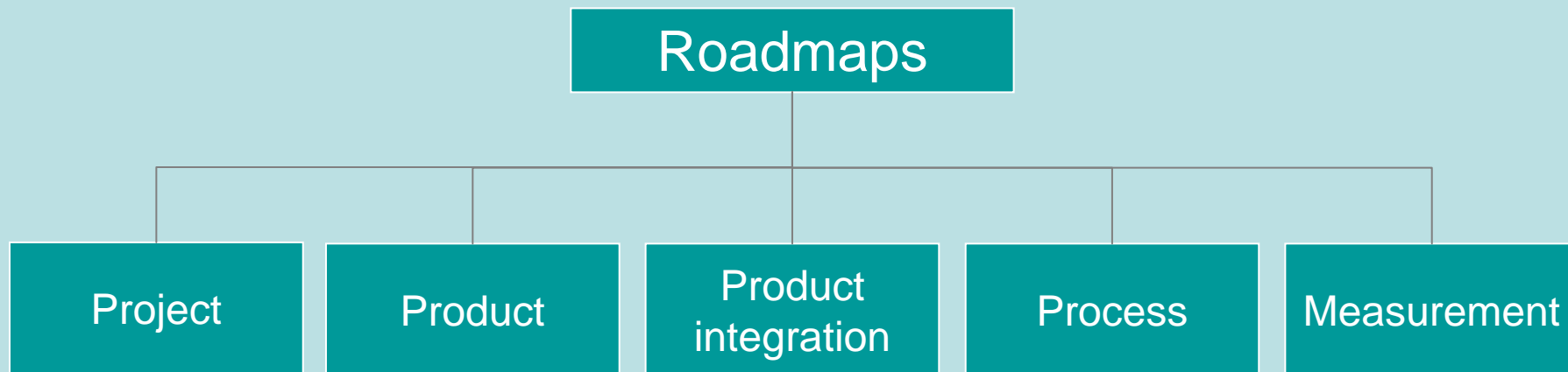
André Heijstek

Ben Linders

Rini van Solingen

<http://www.sei.cmu.edu/publications/documents/08.reports/08tn010.html>

# Roadmaps



Doel van de roadmap

Potentiële gebruikers

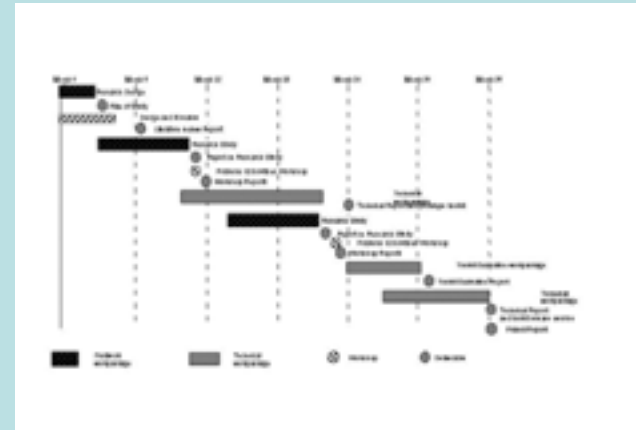
Procesgebieden

Rationale

Mogelijke vervolgstappen

## Project roadmap

- Project Planning
- Project Monitoring and Control
- Requirements Management
- Configuration Management
- Process and Product Quality Assurance



Useful for project (office) based organizations with problem to monitor & control projects, steer programs, etc

## Product roadmap

- Requirements Development
- Requirements Management
- Technical Solution
- Configuration Management
- Verification
- Process and Product Quality Assurance



Useful for organization with quality/customer issues,  
technical problems, excessive maintenance, etc

## Product integration roadmap

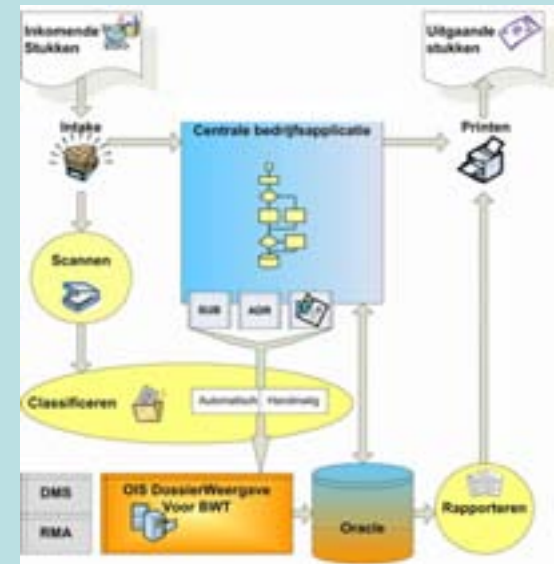
- Requirements Development
- Configuration Management
- Technical Solution
- Product Integration
- Supplier Agreement Management
- Validation



Useful for organization depending heavily on suppliers, with integration problems, developing complex systems, etc

## Process roadmap

- Organizational Process Focus
- Organizational Process Definition
- Measurement and Analysis
- Causal Analysis and Resolution
- Process and Product Quality Assurance

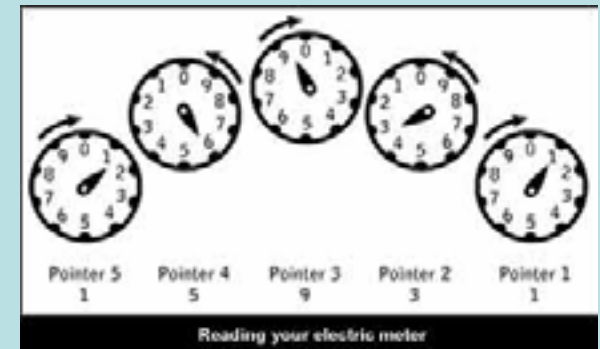


Useful for organizations developing complex systems with complex processes, knowledge intensive work, much interaction between different disciplines, etc



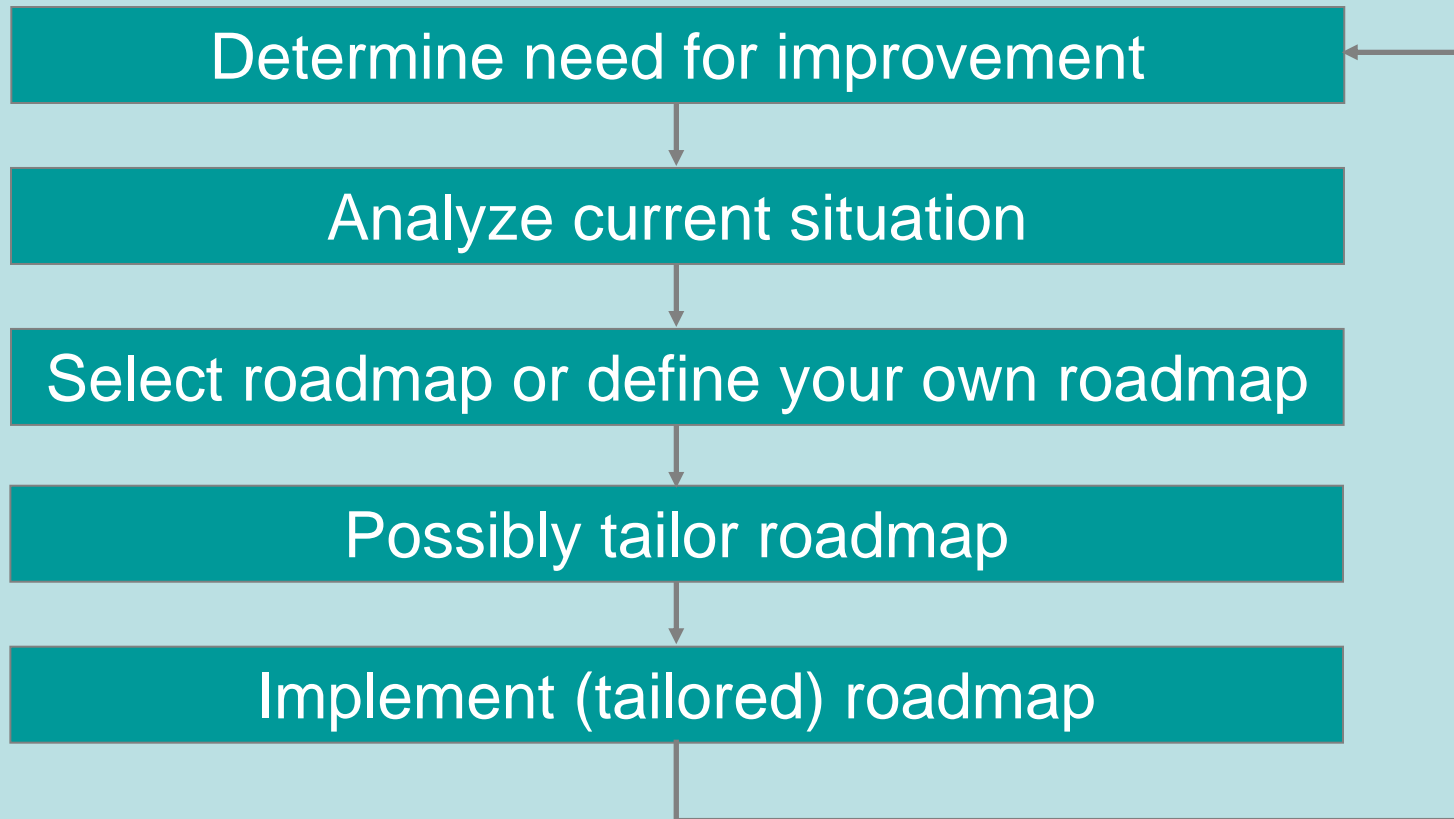
## Measurement roadmap

- Measurement and Analysis
- Organizational Process Focus
- Decision Analysis and Resolution
- Process and Product Quality Assurance



Useful for organizations that want to quantitatively manage their operation, are focused upon added value of SPI, within Six Sigma programs, etc

## Gebruik in de praktijk



## Case 1: Zwitserleven

- Financiële instelling, 150 medewerkers bij T&I
- Vraag hoofd QA en testen: doe een CMMI-assessment
- Uitkomsten leiden tot veel discussie in MT over doel en insteek verbetertraject
- Focus: organisatiebrede processen inrichten
- Iteratie 1 (2006) ≈ process roadmap
  - Organizational Process Definition
  - Organizational Process Focus
  - Process and Product Quality Assurance
  - Measurement and Analysis (light)
- Iteratie 2: optimaliseren kwaliteitssysteem
  - Soort Causal Analysis and Resolution

## Case 1: Zwitserleven

- Iteratie 3 (2007) ≈ productroadmap
  - Configuration Management
  - Omvangschatting (onderdeel van Project Planning)
  - Verification (collegiale reviews en testen optimaliseren)
  - Requirements Development
  - Enkele ITIL procesgebieden bij beheer
- Iteratie 4 (eind 2007, begin 2008)
  - Optimaliseren Product and Process Quality Assurance
  - Projectmanagement grote projecten integreren in het kwaliteitssysteem
- Iteratie 5 (medio 2008 tot heden)
  - Releasemanagement optimaliseren op basis van ASL
  - Enkele verbeteringen kwaliteitssysteem (soort Causal Analysis and Resolution)

## Case 2: Cordares

- Financiële instelling, IT 300 man (SO 225, Infra 75)
- Benchmark onderzoek ontwikkelprocessen
  - Kosten redelijk marktconform
  - Matige requirements
  - Veel fouten in tussenproducten, pas bij testen eruit gehaald
- Workshop CMMI en Managementcommitment
- Eerste iteratie (2007): Productroadmap
  - Requirements Management
  - Pilot Requirements Development
  - Collegiale Reviews (en een stukje testproces verbetering),  
ROI reviews: 6,0 / 7,7 / 6,8

## Case 2: Cordares

- Tweede iteratie (2008): process roadmap
  - Organizational Process Definition
  - Organizational Process Focus
  - Measurement and Analysis
  - Causal Analysis and Resolution (light)
  - Process and Product Quality Assurance werd voor ieder proces afzonderlijk ingevoerd, daarnaast worden adoptiemetingen uitgevoerd



# Questions